



Bettar: Wi-Fi-Streaming



AUDIOropa



Zettear SHOW

Zettear



»Bettgear SHOW« is a hearing support system based on Wi-Fi. It enables people with both normal and impaired hearing to take part in live events using their personal Bluetooth-enabled hearing components.

»B-SHOW«, the streaming server, can be connected to any audio source. It converts the audio signal into data packets and the transmission takes place via Wi-Fi access points. Listeners use their smartphones with the Bettgear app installed as receivers. The listener's hearing components, such as hearing aids, cochlear implants or headphones, play out the audio signal.

Mobile reception of Wi-Fi audio streams

The Bettgear app for smartphones is available free of charge for iOS (from version 15) and Android (from version 9) in the respective app stores and is as easy as it is convenient to use. Users connect their own hearing aids or headphones to their smartphone via the app and receive high-quality, personalised sound.

»B-SHOW«

Streaming Wi-Fi

- Wi-Fi streaming with low latency
- Personalisable audio
- Live transcription option

B-SHOW (Wi-Fi streaming server) – Technical data Item no.: A-5500-0

■ Network	
IP Address:	DHCP, Reserved
Users Per Unit:	Up to 1,000
Prioritization:	QoS
Bandwidth Per User:	250 kbps
Latency:	40ms - 110ms (may vary with network and mobile device)
App Support:	iOS/Android
Offline Management Panel:	Yes
Cloud Management:	Yes (if connected to internet)
Content Management System (Cloud):	Yes (if connected to internet)
■ Hardware	
Processor:	Quad Core Cortex-A55 (ARM v8.2-A) 64-bit @1.5GHz
Memory:	4 GB
Audio Input Channels:	1 Stereo / 2 Mono
Maximum Input Voltage:	2.1 Vrms (4.2 Vrms for balanced input)
Rackmount 19" Compatible:	Yes
Power Supply:	9 VDC (Positive polarity), 2.5 A
Operating Temperature:	0 °C – 55 °C
Regulatory:	FCC, CE, cUL
■ Audio	
ADC Signal-to-Noise Ratio:	110 dB
DAC Signal-to-Noise ratio:	112 dB
ADC THD+N:	-90 dB
DAC THD+N:	-93 dB
Frequency Response:	10 Hz-22 kHz
Input Gain:	-12 dB to 32 dB
Automatic Gain Control (AGC):	switchable
Audio Filter:	HPF and LPF
Sample Rate:	48 kHz
Bit Depth:	32 bits

**Optional
components for
Bettar SHOW**



Input extension unit B-EX4

- The B-EX4 expands the B-Show by 4 additional input channels.
- The connection to the streaming server and power supply is made via USB.
- Globally switchable 48 V phantom power for the inputs.

B-EX4

Item no.: A-5503-0

Bettar Ethernet Upgrader

- The USB-to-Ethernet adapter enables remote maintenance of the B-Show via Ethernet.
- Internet access is provided without the connected listeners gaining access to the network.
- The Ethernet Upgrader also supports Internet sharing via VLAN for remote management of cloud-based access points.



Ethernet Upgrader

Item no.: A-5504-0

Bettar Wi-Fi Upgrader

- The USB Wi-Fi adapter enables the remote updating of B-SHOW devices via any Wi-Fi network available on site.
- The Upgrader is used to provide Internet access for the streaming server without the connected listeners having access to the network.
- The Wi-Fi Upgrader supports 2.4 GHz networks and Internet sharing via VLAN for remote management of cloud-based access points.



Wi-Fi Upgrader

Item no.: A-5502-0

Additional packages

SHOW Transcription

Item no.: A-5504-0

SHOW Warranty extensionen (contribution per year, max. 4 years possible)

Item no.: A-5506-0

»B-LITE«

- Convenient plug-and-play receiver with installed Bettear app (fig. right).
- Allows listeners to easily customise their EQ presets to suit personal listening and sound preferences.
- Displays the live transcription on its 6.5-inch screen.

B-LITE

Item no.: A-5510-0

Charging Cabinet

- Charging cabinet for up to 20 B-LITE devices
- Protective circuit for maximum battery life
- LEDs indicate the charging status of each charging slot



Charging cabinet for 20 B-LITE

Item no.: A-5511-0

Input voltage: 110-240 V AC

Dimensions: 46x35x22 cm

Portable Charging Case

- Charging trolley for up to 20 B-LITE devices
- Protective circuit for maximum battery life
- LEDs indicate the charging status of each charging slot



Ladetrolley für 20 B-LITE Geräte

Item no.: A-5512-0

Input voltage: 110-240 V AC

Dimensions: 52x42x23 cm

B-Headphone

- The foldable »B-Headphones« are designed for use with the B-LITE

B-Headphone

Item no.: A-5513-0

Other accessories

Neck loop for inductive hearing

Item no.: A-5514-0

iOS Headphone adapter (iOS Lightning connector to 3.5 mm mini jack)

Item no.: A-5515-0

Android headphone adapter (USB-C plug to 3.5mm mini jack)

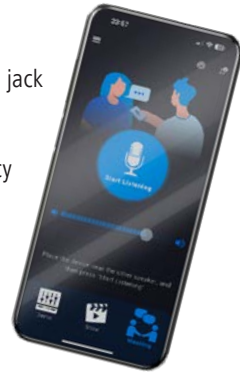
Item no.: A-5516-0

»B-LITE«

Mobile Wi-Fi receiver:

- USB-C
- 3.5 mm mini jack
- approx. 40 ms latency

Image similar ▶



Application scheme A

»B-SHOW« Streaming via Wi-Fi Access-Point

Connect the audio source to the »B-SHOW« streaming server, integrate the Wi-Fi access point:

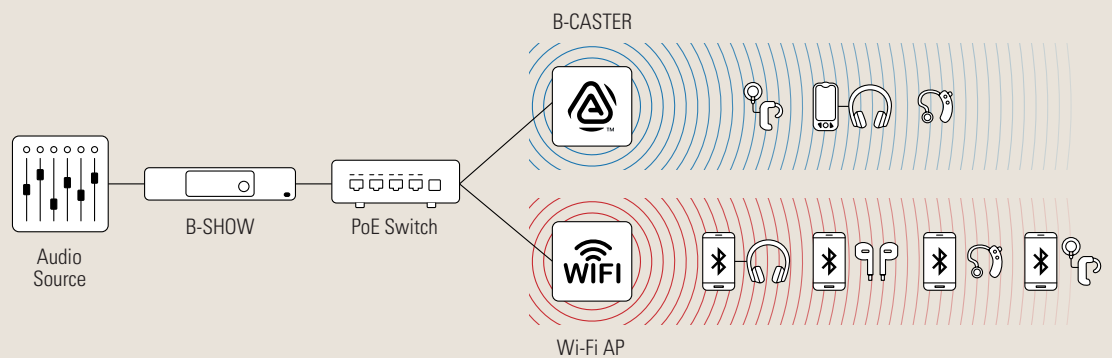
The Wi-Fi audio data stream is available for all corresponding receivers and listening components.



Application scheme B

Hybrid streaming: Wi-Fi and Auracast™

The hybrid solution with B-SHOW (Wi-Fi) and B-CASTER (Auracast™)* ensures that wearers of hearing aids, cochlear implants or headphones can enjoy a personalised, high-quality hearing experience.



* see *AUDIOropa-Portfolio*
Auracast™

AUDIOropa

AUDIOropa is a brand of the Humantechnik Group

The AUDIOropa portfolio focuses on audio technology for professional use - stationary and mobile. The portfolio includes:

- **Inductive loop systems**
- **Radio transmission systems**
- **Infrared transmission systems**
- **Intercom Systems**
- **Wi-Fi streaming system (Bettear brand)**
- **Auracast™ streaming system (Bettear brand)**



AUDIOropa is a Bettear Certified Distributor

Bettear, based in Tel Aviv (Israel), develops and produces AI-supported audio assistance systems that enable people with impaired hearing to experience a significant improvement in sound quality and speech intelligibility. The optimised audio signals from Bettear systems are transmitted directly to hearing aids, cochlear implants, headphones and other suitable hearing components, offering barrier-free hearing and understanding as an individual, crystal-clear sound experience. Whether at cultural events, in museums, educational institutions or on public transport, Bettear's innovative audio assistance systems create equal access to high-quality audio for people with impaired hearing.

Welcome to the dialogue:

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